

MEMORANDUM

DATE:	October 3 rd , 2016
FROM:	Eric Lancaster
SUBJECT:	Weekly Progress Report @ Gold King
TO:	Kerry Guy

Project: Gold King Interim Water Treatment Plant (IWTP)

Reporting Period: Sept 26 – Oct 3

Location: Gladstone, Colorado

Report No.: 38

Prepared for: Emergency Response Unit – US EPA Region 8

I. General Operations Summary:

IWTS Function/Upsets

- Because the IWTP was configured to allow for the relocation of the Reactor Tank, graphs from the primary PLCs are not available this week. Over the reporting period (9/26 – 10/3/2016 inclusive) Alexco treated 6.94 million gallons at an average flow rate of 688 gpm.
- Alexco temporarily shut-down the IWTP on 9/26 to transfer treatment from the Primary Clarifier to the Phase II clarifier. During that time, the Reactor Tank was by-passed, allowing Alexco and Summit Mechanical to drain and relocate it to the newly poured 17' x 17' pad. This new position will allow for the extension of the existing WWTP building.
- From 9/26 – 9/29 Alexco pretreated the incoming mine discharge with caustic soda at the pressure release concrete ring.

Communication System Function Status

- No issues – reliable operations during the reporting period.

Facility or System Related Work, including Repairs & Completions

- Alexco/Summit relocated the 22,000-gallon Reactor Tank, which was then re-plumbed to the Primary Clarifier.
- Alexco/ER excavated near the Reactor Tank in preparation for a 15' x 15' concrete pad scheduled to be poured on Oct. 6.
- Alexco fully drained and de-sludged the settling tubes at the base of the Primary Clarifier after 12 months of operation.

II. Identified Problems, Causes, and Solutions (Planned or Implemented)

- N/A

III. System Inspections – Specific elements inspected and finding

- N/A

IV. Site Status

Personnel and equipment onsite

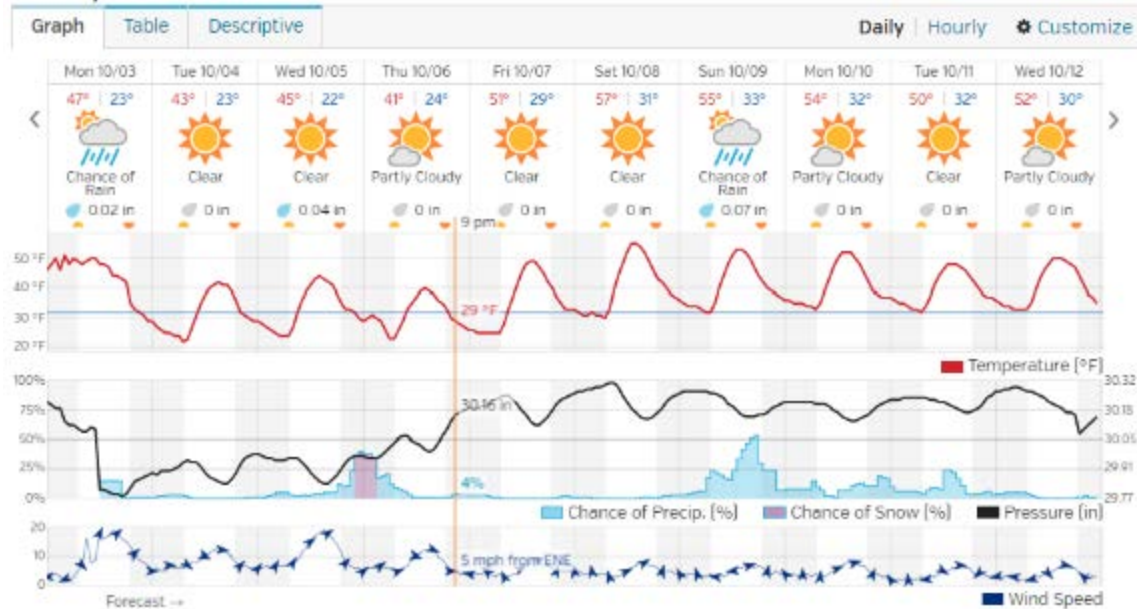
- Alexco currently employs one full-time employee (FTE) who lives in Silverton and oversees all operations at the Gold King IWTP. Alexco recently extended (which was accepted) a part-time

offer to a local operator for support throughout the coming winter. The site is also supported by remote operators in Denver, and local sub-contractors as needed.

Weather conditions

- Weather Underground Report for Silverton, CO (10/3 – 10/12/2016)

10-Day Weather Forecast



Pictures from Site



Photo 1: Removal of damaged liner from Cell A.



Photo 2: Relocation of Reactor Tank and excavation for 15' x 15' concrete pour.

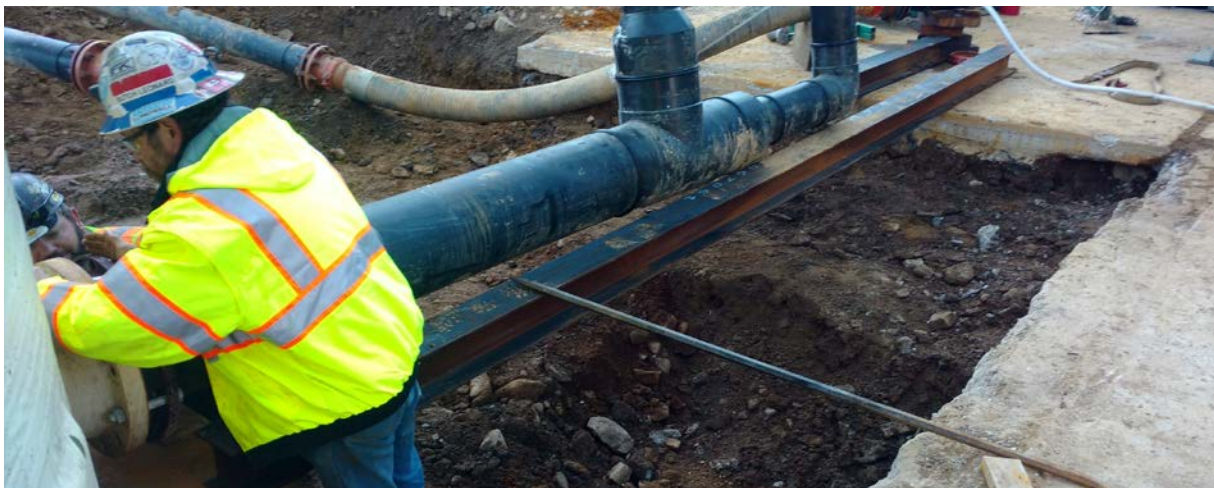


Photo 3: Construction/assembly of HDPE fittings for incoming mine water to the Reactor Tank